

Recombinant Chicken VTG2 Protein (26-653 aa), His-tagged

Cat. No. VTG2-1291C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken VTG2 Protein (26-653 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Chicken
Source	E.coli
ProteinLength	26-653 aa
Description	Precursor of the major egg-yolk proteins that are sources of nutrients during early development of oviparous organisms. Phosvitin is believed to be of importance in sequestering calcium, iron and other cations for the developing bryo.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	74.9 kDa
AA Sequence	SRRSYLYNYEGSMLNGLQDRSLGKAGVRLSSKLEISGLPENAYLLKVRSPQVEEYN GVWPRDPFTRSSKITQVISSCFTRLFKFEYSSGRIGNIYAPEDCPDLCVNIVRGILNMF QMTIKKSQNVYELQEAGIGGICHARYVIQEDRKNSRIYVTRTVDLNNCQEKVQKSIG MAYIYPCPVDVMKERLTKGTTAFSYKLKQSDSGTLITDVSSRQVYQISPFNEPTGVA VMEARQQLTLVEVRSESGAPDVPQMNYGSLRYRFPVLPQMPLQLIKTKNPEQRI VETLQHIVLNNQQDFHDDVSYRFLEVVLQCRANADNLESIWRQVSDKPRYRRWLLS AVSASGTTETLKFKNRIRNDDLNYIQTLTSLTLHLLQADEHTLPAAADLMTSSRIQK

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NPVLQQVACLGYSVVNRYCSQTSACPKEALQPIHDLADEAISRGREDKMKLALKCI
GNMGEPASLKRIKFLPISSSSAADIPVHIQIDAITALKKIAWKDPKTVQGYLIQILADQS
LPPEVRMMACAVIFETRPALALITTIANVAMKESNMQVASFVYSHMKSLSKSRLPFM
YNISSACNIALKLLSPKLDSMSYRYSKVRADTYFDNYRVGATGEIFVNS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name VTG2 vitellogenin 2 [Gallus gallus (chicken)]

Official Symbol VTG2

Synonyms vit; VIT2; vitellogenin-2;

Gene ID 424533

mRNA Refseq NM_001031276

Protein Refseq NP_001026447

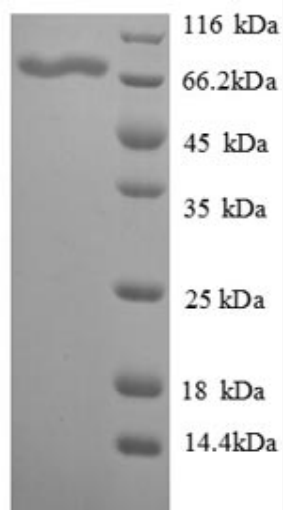
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UniProt ID

P02845



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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